

# PATENT COOPERATION TREATY

From the  
INTERNATIONAL SEARCHING AUTHORITY

REC'D 20 JUL 2005  
 WIPO PCT

## PCT

### WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

To:  
JESSICA SMITH  
ALCATEL WIRELESS, INC.  
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Date of mailing  
(day/month/year) **18 JUL 2005**

Applicant's or agent's file reference <b>139357WO</b>		FOR FURTHER ACTION See paragraph 2 below	
International application No. <b>PCT/US05/13793</b>	International filing date (day/month/year) <b>21 April 2005 (21.04.2005)</b>	Priority date (day/month/year) <b>21 April 2004 (21.04.2004)</b>	
International Patent Classification (IPC) or both national classification and IPC <b>IPC(7): H04L 12/66; H04Q 7/20 and US Cl.: 455/403, 424, 445, 560; 370/352, 386; 379/220.01; 709/249</b>			
Applicant <b>ALCATEL WIRELESS, INC.</b>			

**1. This opinion contains indications relating to the following items:**

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

**2. FURTHER ACTION**

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

**3. For further details, see notes to Form PCT/ISA/220.**

Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230	Authorized officer Kamran Afshar  Telephone No. 571-272-7796
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WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/US05/13793

Box No. I Basis of this opinion

1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ This opinion has been established on the basis of a translation from the original language into the following language \_\_\_\_\_, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).

2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:

a. type of material

☐ a sequence listing

☐ table(s) related to the sequence listing

b. format of material

☐ in written format

☐ in computer readable form

c. time of filing/furnishing

☐ contained in international application as filed.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority for the purposes of search.

3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

4. Additional comments:

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Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims 1-20	YES
	Claims NONE	NO
Inventive step (IS)	Claims 1-20	YES
	Claims NONE	NO
Industrial applicability (IA)	Claims 1-20	YES
	Claims NONE	NO

2. Citations and explanations:

Claims 1-9 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest that identifying an inter-switch route for the call from the first switching node to the second switching node, wherein an intermediate switching node includes a plurality media gateways; selecting an intra-switch route within the intermediate switching node from a plurality of intra-switching route within the intermediate switching node for establishing the inter-switch route, each of the plurality of intra-switch routes including at least one interconnection between media gateways; and connecting the call using the identified inter-switch route and selected intra-switch route.

Claims 10-18 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest that a server operable to control routing for the plurality of media gateways, the server operable to select, for a call connection, an intra-switch route including a first media gateway, and at least on interconnections for connecting the first media gateway and the second media gateway, the intra-switch route selected from a plurality of intra-switch routes designated for serving call connections routed through the first switching node and the second switching node.

Claims 19-20 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest that identifying a first media gateway and a second media gateway of the plurality geographically distributed media gateways for use in routing the call from the first switching node to the second switching node; identify an interconnection route list corresponding to a routing between the first media gateway and the second media gateway, the interconnection route list having a plurality of different interconnection routes between the first media gateway and the second media gateway; determine an availability of at least one of the different interconnection routes; and allocate the selected interconnection route for use in routing the call from the first switching node to the second switching node.